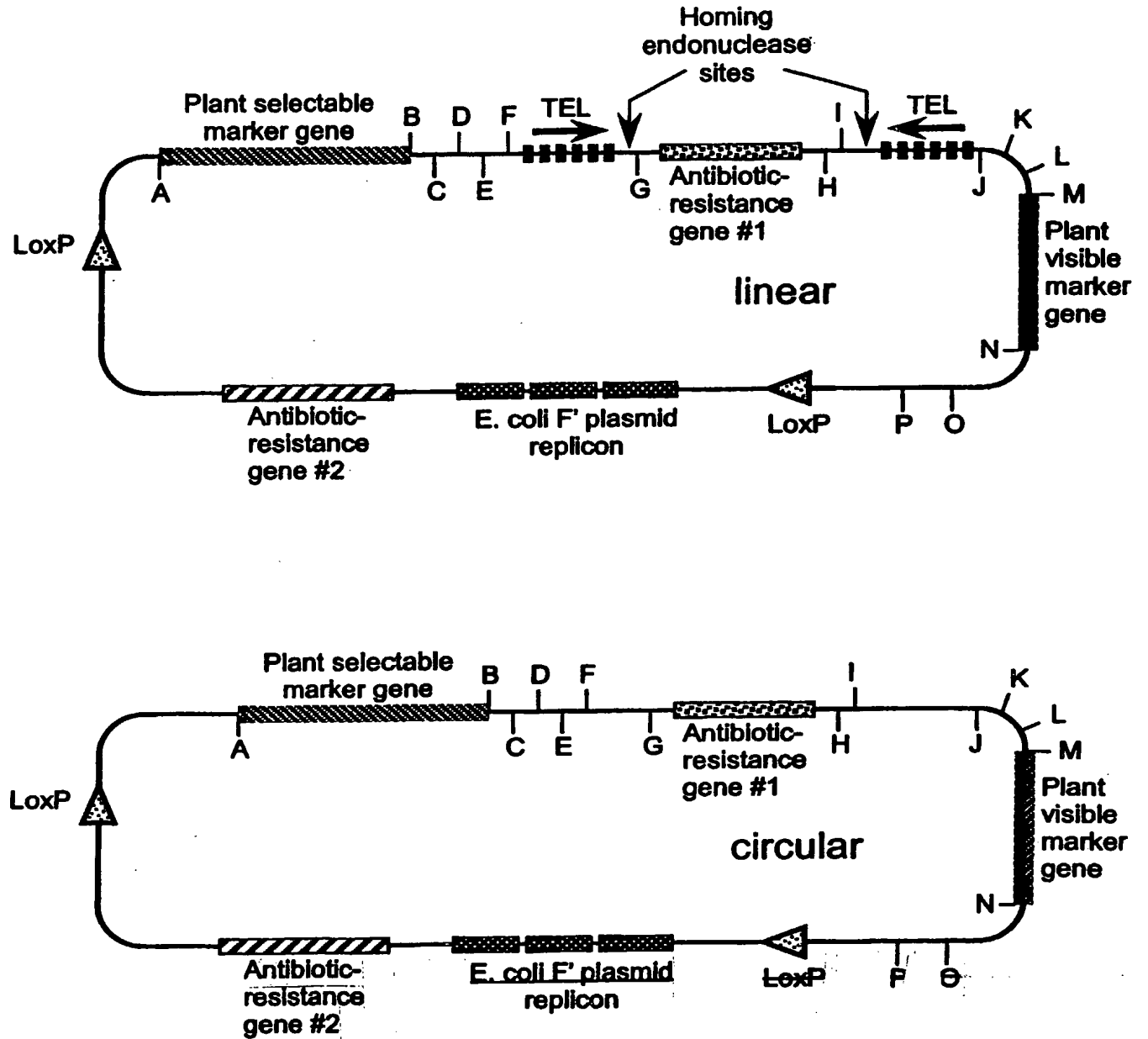Figure 1

Figure 2
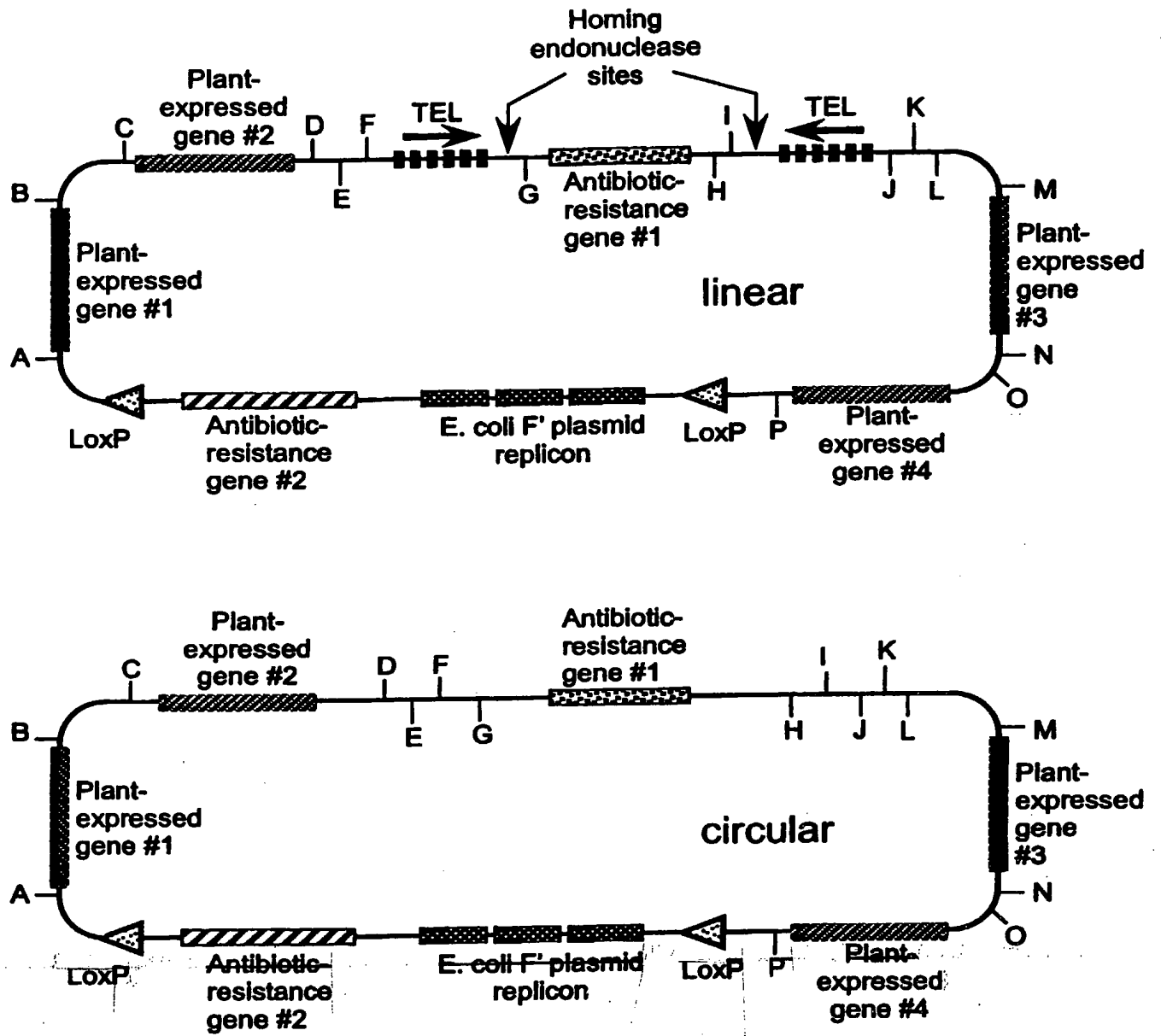
Figure 3

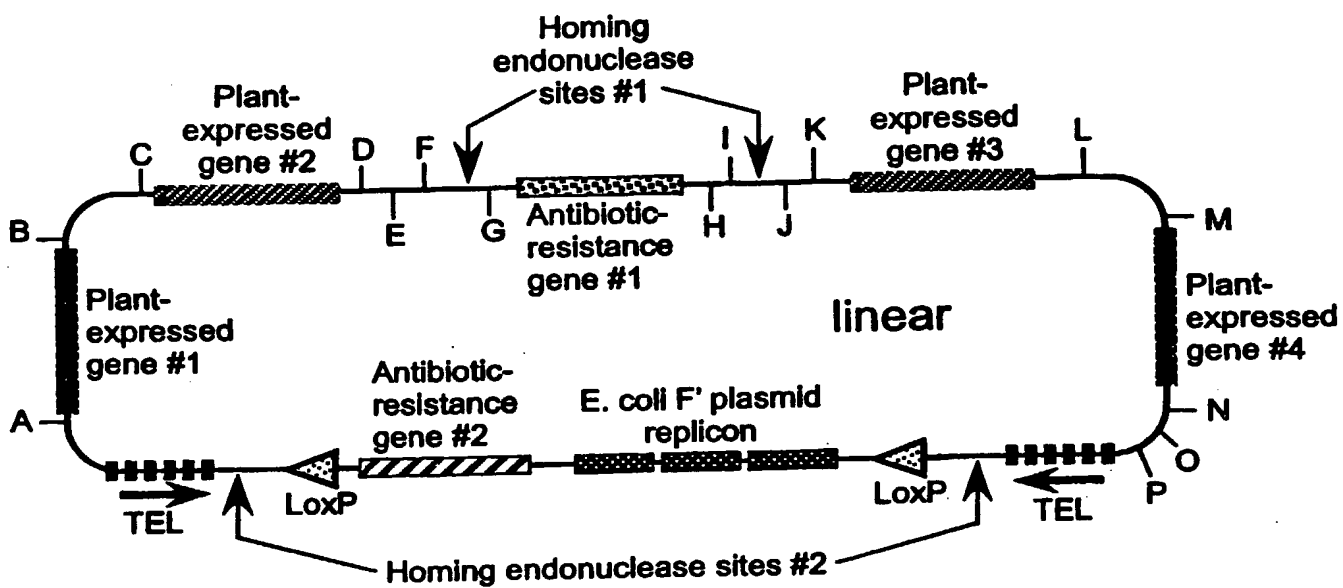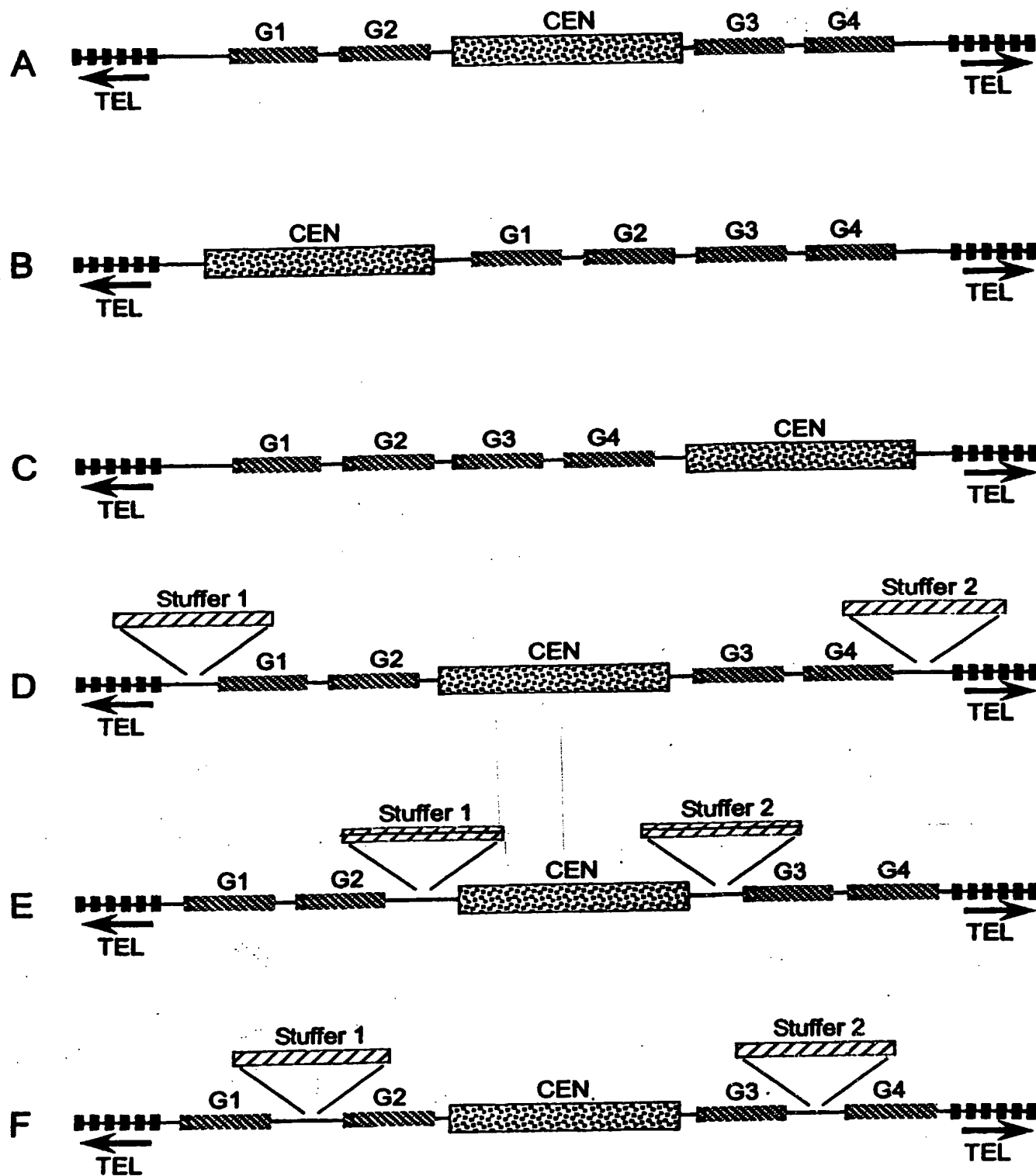Figure 4

Figure 5

```
04 BB5R4-1      ASCTTSATTTGGATACATAAAGTAGTGGAGAATCACCAGGAAGTTGAATAAA
05 BB5R4-1      AGCTTGATTTGGATACATAAAGTGGTGGAGAATCACCAGGAAGTTGAATAAA
05 BB280R2-3    ACCTTCATTTGGATACATAAAGTAGTGKAGAATCACCAGGAAGTTGAATAAA

04 BB5R4-1      TCTCATAGGAGTTAGGATGAAGAAGTTATCCCACTTTCAAATAAGGTGATCC
05 BB5R4-1      TCTCATAGGAGTTGGCATGAAGAAGTTATCCCMCTTTCAAATCAGGTGATTC
05 BB280R2-3    TCTCATAGGAGTTAGGATGAAGAAGTTATCCCACTTTCAAATAAGGTGATCC

04 BB5R4-1      CAGTTTYCCTGTTTGGGAATATKANAACTTHTTCGHCATTCTADTCAAACCAG
05 BB5R4-1      CAGTTTCCCAGTTTGGGAATAGCACAGCTTCTTCGTCGTTCCAATCAAACCAG
05 BB280R2-3    CAGTTTYCCTGTTTGGGAATATGACAACTTCTTCGTCATTCTAATCAAACCAG

04 BB5R4-1      GATGAATCGCGATGTAARARVCY
05 BB5R4-1      GATGAATCTCTTTGTAAGA
05 BB280R2-3    GATGAATCKYGATGTWAGA
```

## Figure 6

```
CrGm1     1..AAATTCAAAT GGTCATAACT TTTMACWCGG.....30
CrGm2     1..AAATTCAAAC GACAATAACT TTTTACTCGG.....30
SB12MC    1..AAAWTCAAAC GACAATAACT TTTKACTCGG.....30

CrGm1     31..AKGTCCGATT CAGGCGCATA ATATATCGAG.....60
CrGm2     31..ATGTCYGATT GAGTCCCGTA ATATATCGAG.....60
SB12MC    31..ATGTCCGATT GWGTCCCGTA RTATATCGAG.....60

CrGm1     61..ACGCTCGAAA TTGAACAAYG GAAGCTCTCG AG..92
CrGm2     61..ACGCTCGAAA TTGAATRYTG -AAGCTCTGA GC..92
SB12MC    61..ACGCTCGWAA TTGAAAACWG -AAGCTCTRA GM..92
```